

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AND JOPPA FARM ROAD IN HARFORD COUNTY.THE WORK WILL CONSIST OF REPLACING THE POLE AND MAST ARM IN THE SOUTH-WEST CORNER OF THE INTERSECTION.US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR EASTBOUND AND WESTBOUND US 40 AND SIDE STREET SPLIT PHASING. THE INTERSECTION OPERATION WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO. QUANTITY DESCRIPTION

NONE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY

DESCRIPTION

- 1 EA
- 1 CY
- 8 EA
- 3 EA
- 1 EA
- LS
- 10 LF
- 5 CY
- 160 LF
- 19 SF
- 1 EA
- 25 LF
- 450 LF
- 1 EACH
- MAINTENANCE OF TRAFFIC
- TEST PIT EXCAVATION
- FURNISH AND INSTALL 12 IN.VEHICULAR SIGNAL HEAD SECTION
- FURNISH AND INSTALL 8 IN.VEHICULAR SIGNAL HEAD SECTION
- FURNISH AND INSTALL 27 FT. STEEL POLE AND 50 FT. MAST ARM
- REMOVE AND DISPOSE OF EXISTING EQUIPMENT
- FURNISH AND INSTALL 3 IN.SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
- FURNISH AND INSTALL NO.6 AWG STRANDED BARE COPPER WIRE
- RELOCATE OVERHEAD SIGN
- FURNISH AND INSTALL GROUND ROD 3/4 IN.DIAMETER X 10 FT.LENGTH
- FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO.14 A.W.G.)
- FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO.14 A.W.G.)
- CUT, CLEAN, GALVANIZE AND CAP MAST ARM POLE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO. QUANTITY DESCRIPTION

NONE

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

MS. SUENETTE POPE
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MS. DARLENE EIDE
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

PHASING CHART

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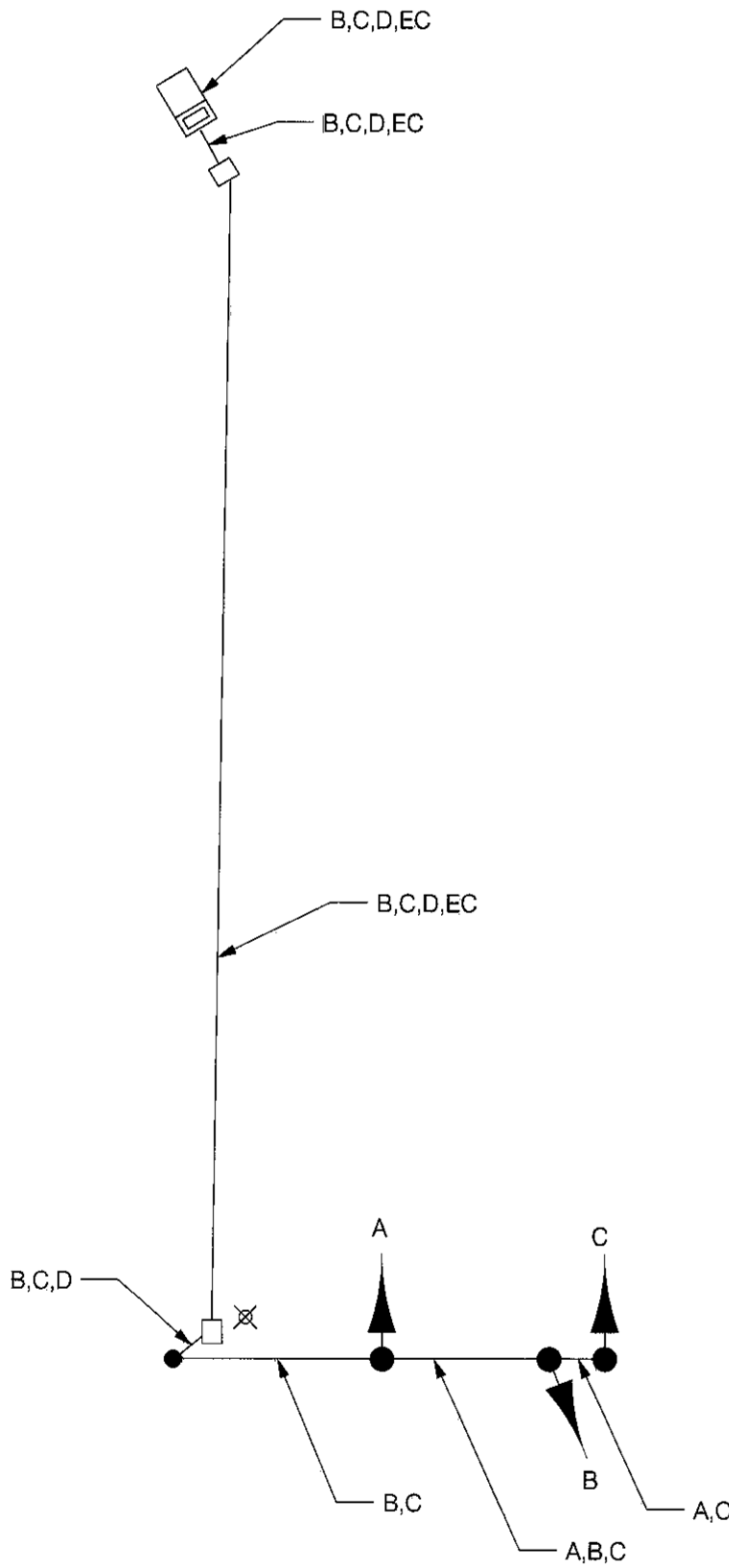
6B

6B

6B

PHASE 1 & 5	<G-	<G-	R	R	<G-	<G-	R	R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6															
PHASE 1 & 6	<G-	<G-	G	G	R	R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	<Y-	<Y-	G	G	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 & 5	<R-	<R-	R	R	<G-	<G-	G	G	R	R	R	R	R	R	R	R
5 CHANGE	<R-	<R-	R	R	<Y-	<Y-	G	G	R	R	R	R	R	R	R	R
PHASE 2 & 6	<R-	<R-	G	G	<R-	<R-	G	G	R	R	R	R	R	R	R	R
2 & 6 CHANGE	<R-	<R-	Y	Y	<R-	<R-	Y	Y	R	R	R	R	R	R	R	R
PHASE 3	<R-	<R-	R	R	<R-	<R-	R	R	⁶ <G-	⁶ <G-	G	R	R	R	R	R
3 CHANGE	<R-	<R-	R	R	<R-	<R-	R	R	Y	Y	Y	Y	R	R	R	R
PHASE 4	<R-	<R-	R	R	<R-	<R-	R	R	R	R	R	R	⁶ <G-	⁶ <G-	G	G
4 CHANGE	<R-	<R-	R	R	<R-	<R-	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A
- B,C
- D
- EC
- ⊗
- 5-CONDUCTOR ELECTRICAL CABLE
(NO.14 A.W.G.)
- 7-CONDUCTOR ELECTRICAL CABLE
(NO.14 A.W.G.)
- STRANDED BARE COPPER GROUND
WIRE (NO.6 A.W.G.)
- EXISTING CABLE
- GROUND ROD

TRAFFIC **C**ONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 40 AND JOPPA FARM ROAD

DRAWN BY: M. HOWELL
CHECKED BY: T. ZAYDEL
SCALE: NONE
DATE: JULY, 2004

F.A.P. NO. 27863T12021
S.H.A. NO. HARFORD
COUNTY: 1204000.17
LOG MILE:

TS NO. 100H GI
T.I.M.S. NO. G559

SHEET NO. 2 OF 2